If you are using a printed copy of this procedure, and not the on-screen version, then you <u>MUST</u> make sure the dates at the bottom of the printed copy and the on-screen version match.

The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.

Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ

Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.10.g 10 O'Clock (PEER 15) Power-Up Tests

C-A-OPM Procedures in which this Attachment is used.					
4.120.10					
Hand Processed Changes					
HPC No.	<u>Date</u>	Page Nos.	<u>Initials</u>		
	Annroved:	Sionature on F	ile		
Approved: <u>Signature on File</u> Collider-Accelerator Department Chairman					

V. Castillo

4.120.10.g 10 O'Clock (PEER 15) Power-Up Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:	Checksum:
Division B Software Filename and Checksum: Title:	Checksum:
Initial testing complete:	
Test Team Leader's Name (Print):	Life Number:
Test Team Leader's Name (Sign):	Date://
Acceptance test procedure complete (following repairs and retesting	if required):
Test Team Leader's Name (Print):	Life Number:
Test Team Leader's Name (Sign):	Date://
Test results reviewed by:	
Safety Section Head's Name (Print):	Life Number:
Safety Section Head's Name (Sign):	Date:/
Test results accepted by Radiation Safety Committee:	
RSC Member's Name (Print):	Life Number:
RSC Member's Name (Sign):	Date://

1.1		PLACE VERIFY	Peer 15 in Mode 16 Peer 15 is in Controlled Access	MODE 16
		RESET	Peer 15 gates: 9GS1, 9EL1, 9GI1, 9ED1, 10GE1, 10GI1, 10EL1, 10ED1	
		VERIFY	Peer 15 gates: [] 9GS1, [] 9EL1, [] 9GI1, [] 9ED1, [] 10GE1, [] 10GI1, [] 10EL1, [] 10ED1, are	RESET
		SWEEP	Peer 15 Zones: 9Z1, 10Z1, 10Z2	
		VERIFY	Peer 15 Zones: [] 9Z1, [] 10Z1, [] 10Z2 are	SWEPT
		PLACE VERIFY	Peer 15 in Mode 24 Peer 15 is in No Access	MODE 24
1.2	П	TEST TURN OFF VERIFY	Division A PLC for Power-up conditions AC Power to the Peer 15 Division A PLC AC Power to the Peer 15 Division A PLC is	TURNED
	Ц			OFF
		WAIT TURN ON	30 Seconds AC Power to the Peer 15 Division A PLC	
		VERIFY	AC Power to the Peer 15 Division A PLC is	TURNED ON
		VERIFY	MCR sees Peer 15 Division A PLC come up in	MODE 2
		RESET	Div A Hardware Faults	
		VERIFY	Div A Hardware Faults are	RESET
		VERIFY VERIFY	MCR sees Div A RHIC Injection Critical Device MCR sees Div A RHIC Critical Device is	RCI
		VERIFY VERIFY	MCR sees Div A Permit Link is	RC INHIBITED
		VERIFY	MCR sees Peer 15 Div A gates: ☐ 9GS1, ☐ 9EL1, ☐ 9GI1, ☐ 9ED1, ☐ 10GE1, ☐ 10GI1, ☐ 10EL1, ☐ 10ED1 are	NOT RESET
		VERIFY	MCR sees Peer 15 Div A Crash Systems are	NOT
		VERIFY	MCR sees Peer 15 Div A Zones are	CRASHED NOT SWEPT
		VERIFY	MCR sees Peer 15 Div B: ☐ Mode, ☐ H/W Faults, ☐ RHIC Inj CD, ☐ RHIC CD, ☐ Perm. Link, ☐Gates, ☐ Crash, ☐ Zones	NO CHANGE

1.3	TEST TURN OFF	Division B PLC for Power-up conditions AC Power to the Peer 15 Division B PLC	
	VERIFY	AC Power to the Peer 15 Division B PLC is	TURNED OFF
	WAIT	30 Seconds	
	TURN ON VERIFY	AC Power to the Peer 15 Division B PLC AC Power to the Peer 15 Division B PLC is	TURNED ON
	VERIFY	MCR sees Peer 15 Division B PLC come up in	MODE 2
0 0 0	RESET VERIFY VERIFY VERIFY	Div B Hardware Faults Div B Hardware Faults are MCR sees Div B RHIC Injection Critical Device MCR sees Div B RHIC Critical Device is MCR sees Div B Permit Link is	RESET RCI RC INHIBITED
0	VERIFY	MCR sees Peer 15 Div B gates: ☐ 9GS1, ☐ 9EL1, ☐ 9GI1, ☐ 9ED1, ☐ 10GE1, ☐ 10GI1, ☐ 10EL1, ☐ 10ED1 are	NOT RESET
	VERIFY	MCR sees Peer 15 Div B Crash Systems are	NOT
	VERIFY	MCR sees Peer 15 Div B Zones are	CRASHED NOT SWEPT
	VERIFY	MCR sees Peer 15 Div A: ☐ Mode, ☐ H/W Faults, ☐ RHIC Inj CD, ☐ RHIC CD, ☐ Perm. Link, ☐ Gates, ☐ Crash, ☐ Zones	NO CHANGE
	PLACE	Peer 15 in Mode 16	
	Peer 15 is in Controlled Access RESET Peer 15 Div B gates: 9GS1, 9EL1, 9GI1, 9ED1, 10GE1, 10GI1, 10EL1, 10ED1		MODE 16
	VERIFY	Peer 15 Div B gates: [] 9GS1, [] 9EL1, [] 9GI1, [] 9ED1, [] 10GE1, [] 10EL1, [] 10ED1 are	RESET
	SWEEP	Peer 15 Div B Zones: 9Z1, 10Z1, 10Z2	
	VERIFY	Peer 15 Zones: ☐ 9Z1, ☐ 10Z1, ☐ 10Z2 are	SWEPT
		END OF TEST PROCEDURE	
TTL: Sig	n for complet	tion of initial testing:	
D	oate:/_		
TTL: Sig	n for complet	tion of final testing:	
D	eate:/_		